

Claims

1. A method for receiving first signals and further signals using a receiver,
the first and further signals differing in at least one of the transmission
parameters data rate, modulation type, wake-up criterion, synchronization and
threshold, wherein
 - 5 a) in a first step in a quiescent mode of the receiver, receiving and searching
for a wake-up criterion (A) is performed intermittently using a first preset
adjustable configuration of transmission parameters, and
 - 10 b) when no signal is received and no wake-up criterion (A) is found, the
system switches to at least one further configuration and a search is made
for a wake-up criterion (B).
- 15 2. The method as claimed in claim 1, wherein when no signal is received and no
wake-up criterion is found using at least one further configuration, the process
starts again with step a).
- 20 3. The method as claimed in claim 1 or 2, wherein on receiving successfully and
finding a wake-up criterion by step a) or b), a wake-up signal is output that
contains as information the given configuration for the successful reception.
- 25 4. The method as claimed in one of the preceding claims, wherein on receiving
successfully and finding a wake-up criterion by step a) or b), the receiver goes
out of the quiescent mode into an active mode using the configuration that was
successful for the reception concerned.
- 30 5. The method as claimed in one of the preceding claims, wherein the successful
reception of a wake-up criterion by step a) or b) must take place within a preset
time.
6. A receiver for carrying out a method as claimed in one of the preceding claims
having a storage device for loading at least two different pre-definable receive
configurations, wherein

- 5 a) the receiver has a quiescent mode in which it intermittently receives and
 searches for a wake-up criterion (A) using a first preset adjustable
 configuration of transmission parameters, and
 b) has a changeover switch in order to switch to at least one further
 configuration when no signal is received and no wake-up criterion (A) is
 found, and to search for a wake-up criterion (B).
- 10 7. The receiver as claimed in claim 6, wherein the receiver has an active mode that
 the receiver goes into when reception is successful and a wake-up criterion has
 been found by step a) or b), using the configuration that was successful for the
 reception concerned.
- 15 8. The receiver as claimed in claim 6 or 7, wherein [it] has a time-control unit so
 that the switchover using the changeover switch occurs within a preset time at
 the latest.